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10/692,623	10/24/2003	Nitya Narasimhan	CS21925RA	8794
20280	7590	09/18/2009	EXAMINER	
MOTOROLA INC 600 NORTH US HIGHWAY 45 W4 - 39Q LIBERTYVILLE, IL 60048-5343			HANNETT, JAMES M	
			ART UNIT	PAPER NUMBER
			2622	
			NOTIFICATION DATE	DELIVERY MODE
			09/18/2009	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

DOCKETING.LIBERTYVILLE@MOTOROLA.COM
ADB035@Motorola.com

Office Action Summary

Application No.

10/692,623

Applicant(s)

NARASIMHAN, NITYA

Examiner

JAMES M. HANNETT

Art Unit

2622

Period for Reply -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 28 August 2009.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-30 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 16-30 is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 10/23/2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-8508)
- Paper No(s)/Mail Date _____

- 4) ☐ Interview Summary (PTO-413)
- Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Response to Arguments

Applicant's arguments with respect to claims 1-15 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

- 1: Claims 1-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over USPN 7,079,945 Kaplan in view of USPN 7,126,583 B1 Breed.
- 2: As For Claim 1, Kaplan teaches on Column 5, Lines 20-45, Column 10, Lines 15-45 and Column 11, Lines 1-25 and depicts in Figures 9 and 10 a display of a wireless communication device for providing guidance about monitoring devices (cell phone towers) within a surrounding area (geographic area of map), the display comprising: a central cell representing an area of the wireless communication device (area vehicle is currently in); and a plurality of surrounding cells representing areas surrounding the wireless communication device (adjacent areas of coverage see Figure 9), each surrounding cell having an appearance representing to a media coverage capability of wireless media devices within the respective surrounding cell. Furthermore, Kaplan teaches that the coverage map can represent the availability of several types of wireless data services available such as real-time traffic updates, weather updates, points of

interest updates etc. However, does not teach that one of the available services can be the availability and display of TV broadcasts.

Breed teaches on Column 10, Lines 17-56 and depicts in Figures 3A-3G the use of a display system for a car that receives data for several types of services including weather, GPS, Traffic and video in the form of a TV broadcast.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have the coverage map of available services in the invention of Kaplan to include a service of displaying and receiving a TV broadcast in order to improve the driving experience for the passengers.

3: In Regards to Claim 2, Kaplan teaches on Column 5, Lines 20-45, Column 10, Lines 15-45 and Column 11, Lines 1-25 and depicts in Figures 9 and 10 wherein each surrounding cell (region of coverage) includes a first color if the coverage capability is below a particular threshold value (service of no service), and each surrounding cell includes a second color if the coverage capability is at or above the particular threshold value.

4: As For Claim 3, Kaplan teaches on Column 5, Lines 20-45, Column 10, Lines 15-45 and Column 11, Lines 1-25 and depicts in Figures 9 and 10 wherein each surrounding cell (region of coverage) has a first appearance if a quantity of wireless media devices is below a particular threshold value, and each surrounding cell has a second appearance if the quantity of wireless media devices is at or above the threshold value.

5: In Regards to Claim 4, Kaplan teaches on Column 5, Lines 20-45, Column 10, Lines 15-45 and Column 11, Lines 1-25 and depicts in Figures 9 and 10 wherein the central cell (current location indicated in Figure 9) has a default appearance representing a default coverage capability of the wireless communication device within the central cell.

6: As For Claim 5, Kaplan teaches on Column 5, Lines 20-45, Column 10, Lines 15-45 and Column 11, Lines 1-25 and depicts in Figures 9 and 10 wherein the central cell and the plurality of central cells form a symmetric grid on the display.

7: In Regards to Claim 6, Kaplan teaches on Column 5, Lines 20-45, Column 10, Lines 15-45 and Column 11, Lines 1-25 and depicts in Figures 9 and 10 A wireless communication device for providing guidance to a user about surrounding conditions comprising: a device discovery mechanism (navigation system receives data related to coverage areas) configured to identify surrounding devices (cell towers) in a vicinity of the wireless communication device (navigation system); a processor, coupled to the device discovery mechanism (navigation system), configured to determine a coverage capability for each area surrounding the wireless communication device based on the surrounding devices (cell tower capabilities) in each area; and a display (230), coupled to the processor, configured to visually provide a representation of the media coverage capability of each area surrounding the wireless communication device. Furthermore, Kaplan teaches that the coverage map can represent the availability of several types of wireless data services available such as real-time traffic updates, weather updates,

points of interest updates etc. However, does not teach that one of the available services can be the availability and display of TV broadcasts.

Breed teaches on Column 10, Lines 17-56 and depicts in Figures 3A-3G the use of a display system for a car that receives data for several types of services including weather, GPS, Traffic and video in the form of a TV broadcast.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have the coverage map of available services in the invention of Kaplan to include a service of displaying and receiving a TV broadcast in order to improve the driving experience for the passengers.

8: As For Claim 7, Kaplan teaches on Column 5, Lines 20-45, Column 10, Lines 15-45 and Column 11, Lines 1-25 and depicts in Figures 9 and 10 wherein the coverage capability of each area surrounding the wireless communication device (current location) is determined based on a quantity of surrounding devices (cell transmitters) in each area.

9: In Regards to Claim 8, Kaplan teaches on Column 5, Lines 20-45, Column 10, Lines 15-45 and Column 11, Lines 1-25 and depicts in Figures 9 and 10 wherein the coverage capability of each area surrounding the wireless communication device (navigation system) is determined based on a capability of surrounding devices in each area.

10: As For Claim 9, Kaplan teaches on Column 5, Lines 20-45, Column 10, Lines 15-45 and Column 11, Lines 1-25 and depicts in Figures 9 and 10 wherein the display differentiates between areas having differing coverage capabilities.

11: In Regards to Claim 10, Kaplan teaches on Column 5, Lines 20-45, Column 10, Lines 15-45 and Column 11, Lines 1-25 and depicts in Figures 9 and 10 wherein the display provides a central cell (current location) representing an area of the wireless communication device (navigation system) and a plurality of surrounding cells representing the areas surrounding the wireless communication device.

12: As For Claim 11, Claim 11 is rejected for reasons discussed related to Claim 6, since Claim 6 is substantively equivalent to Claim 11.

13: In Regards to Claim 12, Claim 12 is rejected for reasons discussed related to Claim 7, since Claim 7 is substantively equivalent to Claim 12.

14: As For Claim 13, Claim 13 is rejected for reasons discussed related to Claim 8, since Claim 8 is substantively equivalent to Claim 13.

15: In Regards to Claim 14, Claim 14 is rejected for reasons discussed related to Claim 9, since Claim 9 is substantively equivalent to Claim 14.

16: As For Claim 15, Claim 15 is rejected for reasons discussed related to Claim 10, since Claim 10 is substantively equivalent to Claim 15.

Allowable Subject Matter

17: Claims 16-30 are allowed.

The following is a statement of reasons for the indication of allowable subject matter:

The prior art does not teach A communication server for receiving data feeds from cooperative wireless devices within a particular area comprising: a network interface configured to receive at least one data feed associated with a location of a first wireless device; a processor, coupled to the network interface, configured to associate

each data feed with an area adjacent to the first wireless device; and a display, coupled to the processor, configured to visually provide a plurality of surrounding cells representing areas surrounding the first wireless device, at least one surrounding cell showing a data feed of the at least one data feed, each data feed being provided by a second wireless device located in an area corresponding to the respective surrounding cell.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to James M. Hannett whose telephone number is 571-272-7309. The examiner can normally be reached on 8:00 am to 5:00 pm M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jason Chan can be reached on 571-272-3022. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/James M. Hannett/
Primary Examiner
Art Unit 2622

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JMH
September 16, 2009